

Notice of Allowability**Application No.**

10/595,473

Applicant(s)

KELLER ET AL.

Examiner

Kenneth R. Coulter

Art Unit

2445

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Arguments on 3/21/2011.
2. ☒ The allowed claim(s) is/are 1-16.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: ____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date ____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date ____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date ____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413),
Paper No./Mail Date 3/25/11.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other ____.

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Sidney Weatherford (Reg. No. 45,602) on 3/25/11.

The application has been amended as follows:

replace "signalling" (claim 1, line 5; claim 1, line 10; claim 1, line 11; claim 8, line 4; claim 9, line 6; claim 11, line 2; claim 15, line 5; claim 15, line 14) with -- **signaling** --
;

replace "a" (claim 1, line 13, both instances) with -- **the** --;

after "group" (claim 1, line 13) insert -- **; and** --;

replace "a" (claim 2, line 5) with -- **the** --;

replace "a" (claim 3, line 3) with -- **the** --;

replace "claim1" (claim 4, line 1) with -- **claim 1** --;

delete "or/and" (claim 12, line 3);

replace "and/or" (claim 12, line 3) with -- **or** --;

replace "a" (claim 12, line 3) with -- **the** --;

after "in" (claim 15, line 12) insert -- **the** --;

delete "," (claim 15, line 15);

replace "a" (claim 15, line 18) with -- **the** --;

after "according" (claim 15, line 21) insert -- **to** --;
replace "a" (claim 16, line 7, second instance) with -- **the** --;
replace "a" (claim 16, line 13, both instances) with -- **the** --.

REASONS FOR ALLOWANCE

1. The following is an examiner's statement of reasons for allowance:

The prior art of record does not specifically disclose or remotely suggest

With regard to independent claims 1 and 16:

establishing a multi-user streaming session on the bearer by **translating the on-demand single-user signaling received from the streaming server into multi-user push signaling**;

adapting the received streaming flow to the multicast transmission according to the needs of the multicast group or subgroup of the multicast group; and

replicating the received streaming transmission according to the number of the multicast subgroups.

With regard to independent claim 15:

a multicast/broadcast server, which includes

session establishing means in the multicast/broadcast server for establishing a multi-user streaming session on the bearer by translating the on-demand single-user signaling received from the streaming server into multi-user push signaling;

the streaming node, which includes

adaptation means in the streaming node for adapting the received streaming flow to the multicast transmission according to the needs of the multicast group, and

replication means for replicating the received streaming transmission according to the number of the multicast subgroups.

In addition, Examiner points to the arguments of Applicant's representative (Arguments/Remarks on 3/21/11; pp. 6 – 9).

2. These limitations, in conjunction with the other limitations in the independent claims, are not specifically disclosed or remotely suggested in the prior art of record.

A review of claims 1 – 16, in view of the Examiner's arguments above, indicates that claims 1 – 16 are allowable over the prior art of record.

3. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kenneth R. Coulter whose telephone number is 571 272-3879. The examiner can normally be reached on M - F, 7:30 am - 4 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Andrew Caldwell can be reached on 571 272-3868. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Kenneth R Coulter/
Primary Examiner, Art Unit 2445

/KRC/